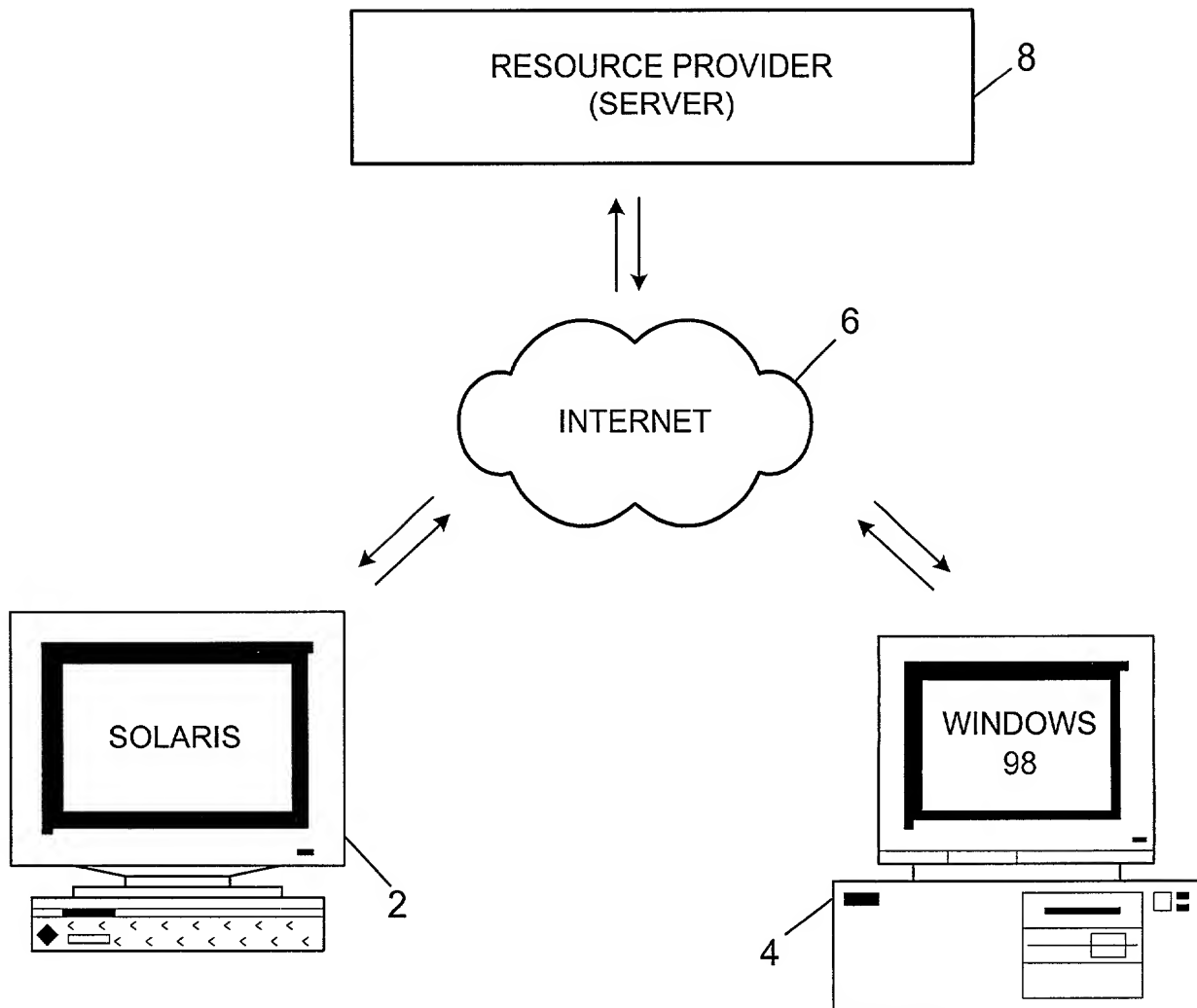
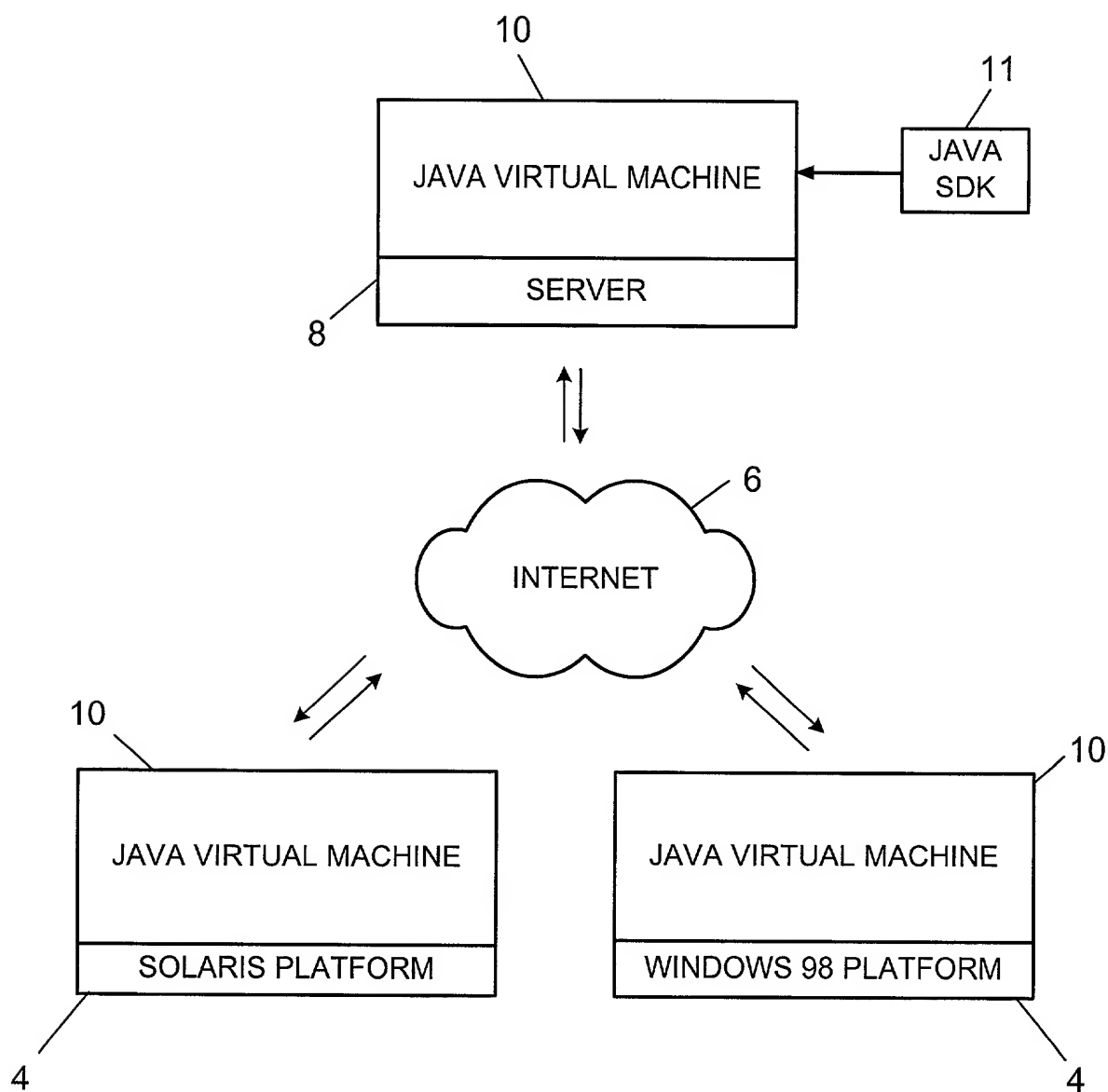


FIG. 1 is a schematic diagram of a network system. The system includes a Resource Provider (Server) 8, an Internet 6, and two client computers. The first client computer 2 is a Solaris system, and the second client computer 4 is a Windows 98 system. Both client computers are connected to the Internet 6, which in turn is connected to the Resource Provider (Server) 8. Bidirectional arrows indicate communication between the server and the Internet, and between the Internet and each client computer.



(PRIOR ART)
FIGURE 1



(PRIOR ART)
FIGURE 2

FIG. 3 is a block diagram of a system architecture. The architecture is organized into layers. At the top is the 'Open Digital Marketplaces/Applications' layer (40). Below this is the 'Internet Service Deployment Platform' layer, which contains four sub-layers: 'Portal Services' (42), 'Communication Services' (44), 'Web, Application, and Integration Services' (46), and 'Unified User Management Services' (48). Below the Internet Service Deployment Platform is the 'Operating System' layer (30). At the bottom is the 'Network & Systems Infrastructure' layer (32). The 'Portal Services' layer (42) includes 'Knowledge Management' (50), 'Security' (52), 'Personalization' (54), 'Aggregation' (56), and 'Presentation' (58). The 'Communication Services' layer (44) includes 'Web Mail' (60), 'Calendar' (62), 'Wireless' (64), 'Instant Messaging' (66), and 'Unified Messaging' (68). The 'Web, Application, and Integration Services' layer (46) includes 'Web Server' (70), 'Application Server' (72), 'B2B Integration' (74), 'EAI Integration' (76), and 'Business Process Automation' (78). The 'Unified User Management Services' layer (48) includes 'Directory Server' (80), 'Meta Directory' (82), 'Delegated Administration' (84), 'PKI' (86), and 'Policy' (88).

Open Digital Marketplaces/Applications 40

Portal Services <u>42</u>				
Knowledge Management <u>50</u>	Security <u>52</u>	Personalization <u>54</u>	Aggregation <u>56</u>	Presentation <u>58</u>

Communication Services <u>44</u>				
Web Mail <u>60</u>	Calendar <u>62</u>	Wireless <u>64</u>	Instant Messaging <u>66</u>	Unified Messaging <u>68</u>

Web, Application, and Integration Services <u>46</u>				
Web Server <u>70</u>	Application Server <u>72</u>	B2B Integration <u>74</u>	EAI Integration <u>76</u>	Business Process Automation <u>78</u>

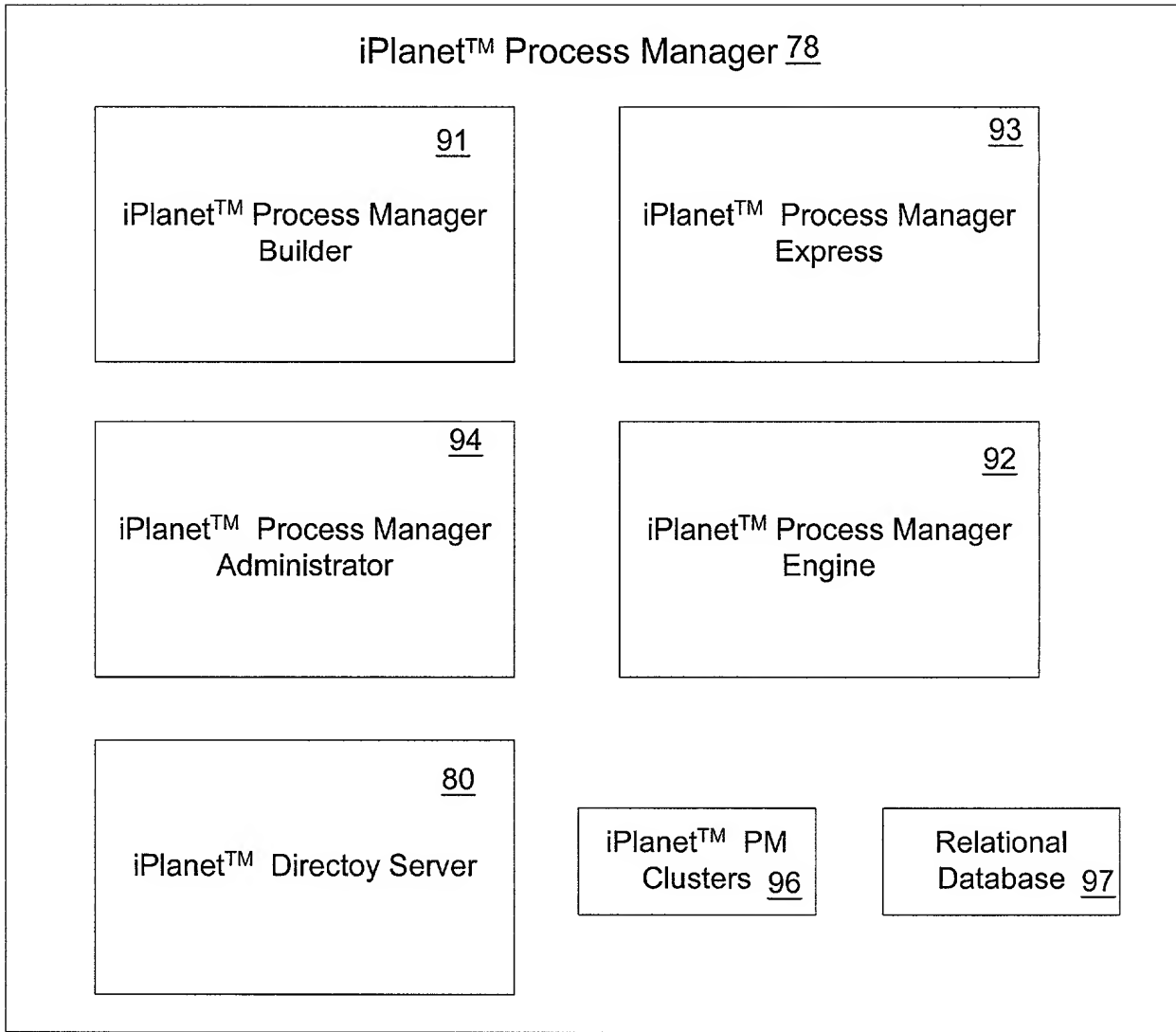
Unified User Management Services <u>48</u>				
Directory Server <u>80</u>	Meta Directory <u>82</u>	Delegated Administration <u>84</u>	PKI <u>86</u>	Policy <u>88</u>

Internet
Service
Deployment
Platform

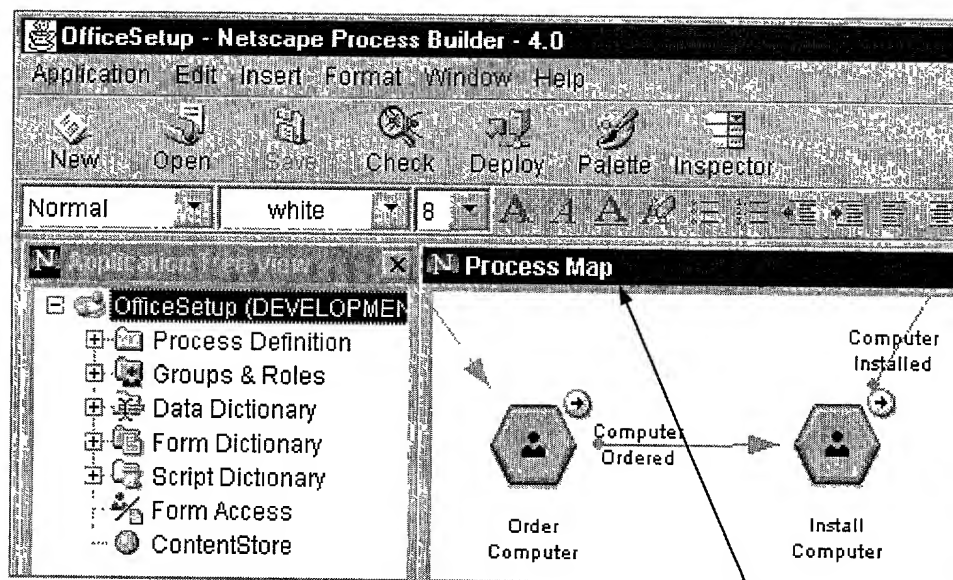
Operating System 30

Network & Systems Infrastructure 32

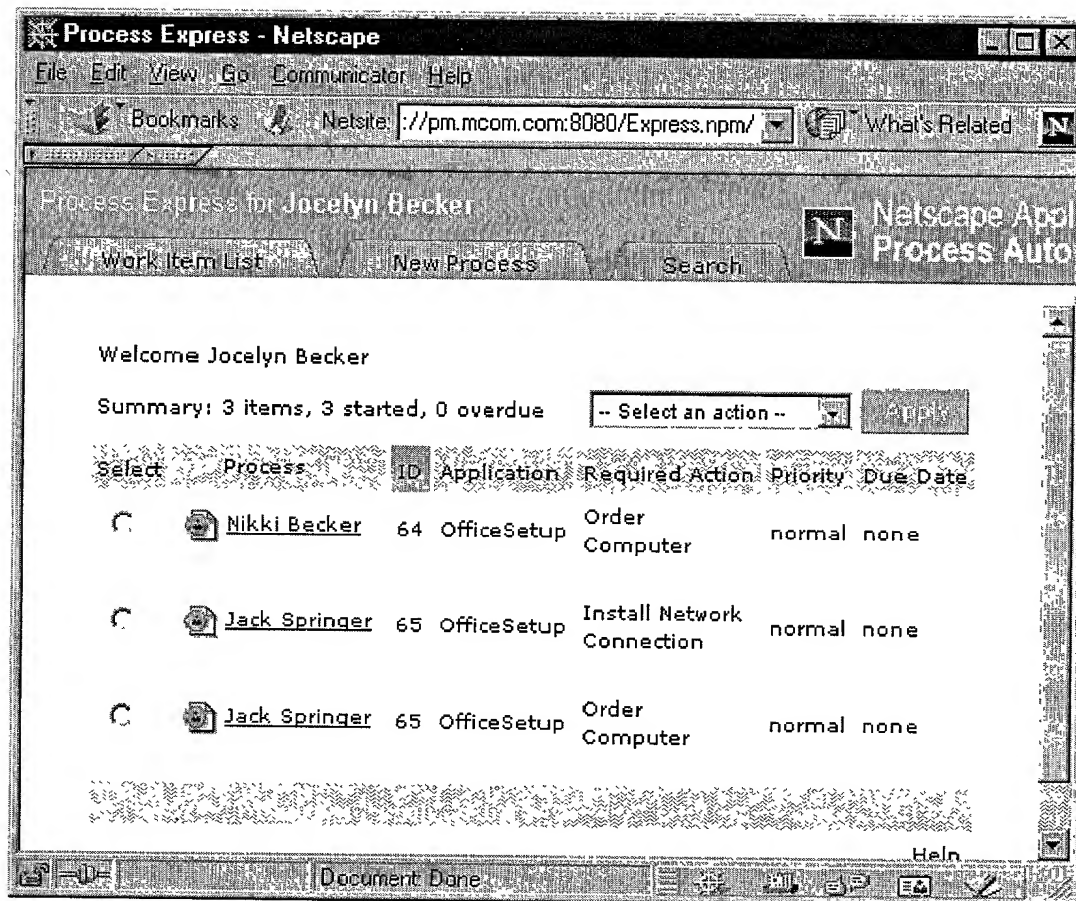
(PRIOR ART)
FIGURE 3



(PRIOR ART)
FIGURE 4



(PRIOR ART)
FIGURE 5



(PRIOR ART)
FIGURE 6

Process Express - Netscape

File Edit View Go Communicator Help

Bookmarks Netsite: mcom.com:8080/Express.npm/ What's Related

Process Express for Jocelyn Becker

Work Item List New Process Search

Order Computer

Who uses this form: Purchasing department.

What to do with this form: Use this form to indicate that you have ordered a computer for a new employee.

Here are the details of the new employee:

Employee Name: Name: Nikki Becker
 Start Date: 05/03/2000
 Report To: Kipling Tidwell
 Department: Engineering
 Requested By: Jocelyn Becker

The hiring manager should have entered the computer description. If the description field is blank, please contact the hiring manager. Please order the computer and enter the order date and order ID number.

Computer:

Order Date: 2/15/2000 (MM/dd/yyyy)

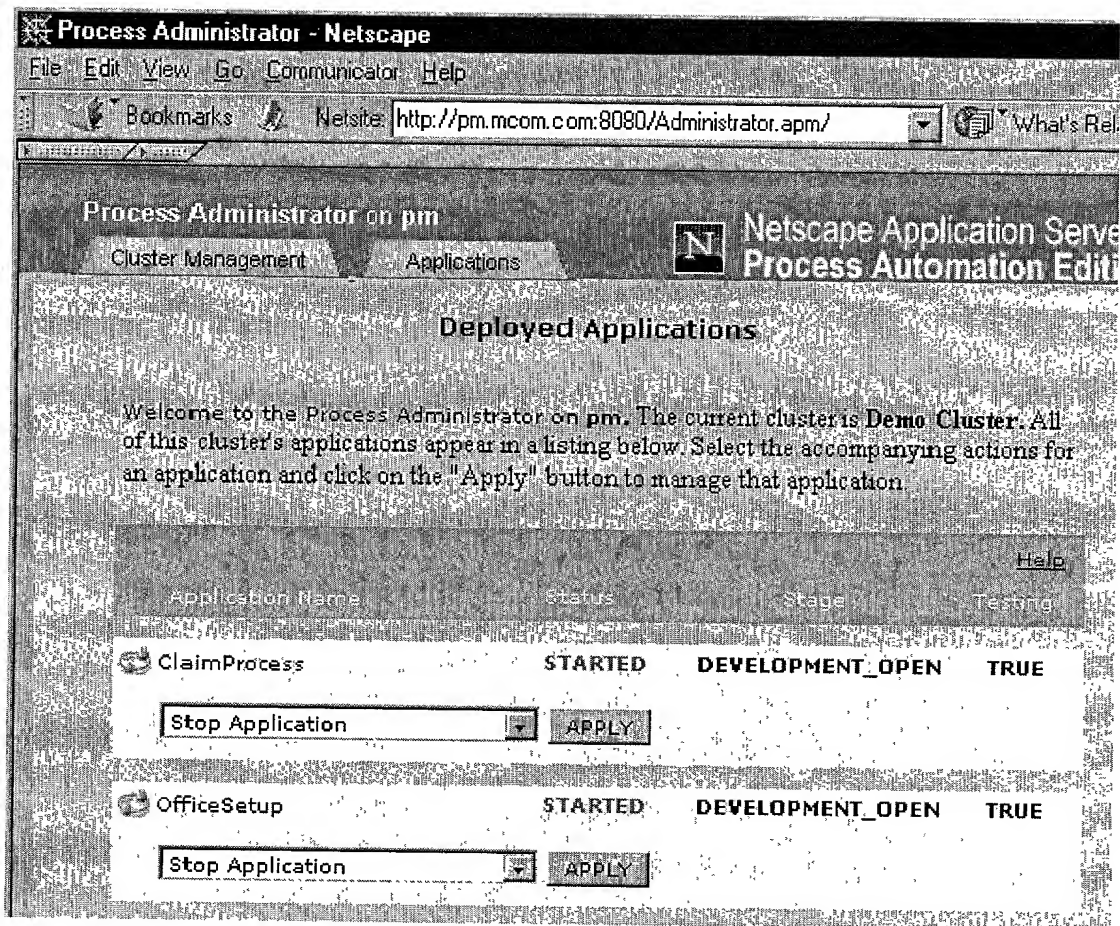
Order ID:

Description: HP-4150 laptop

After you have ordered the computer press the button below to submit this form. The next step in the process is for the computer to be installed.

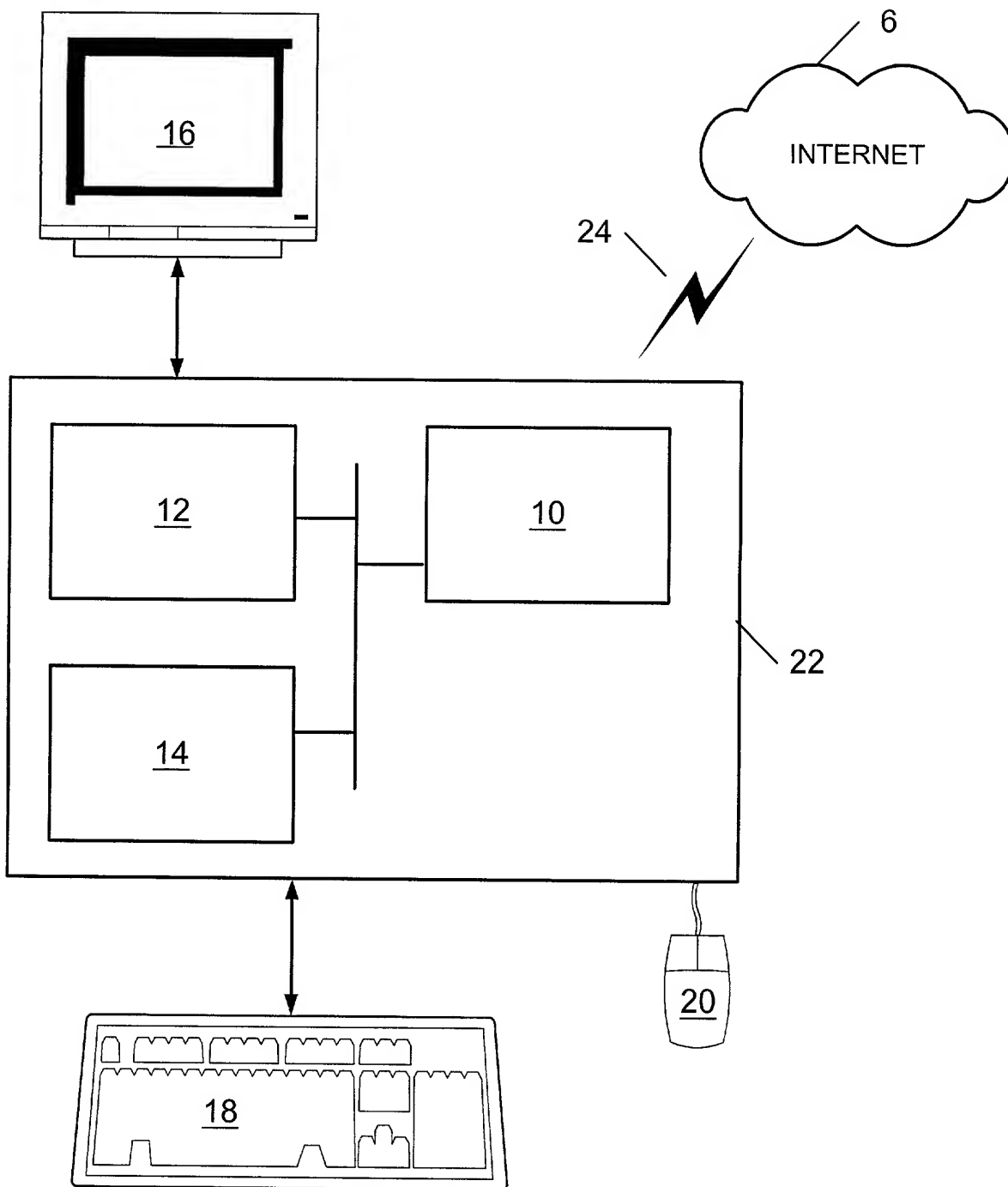
After completing the above form, select one of the following actions.

(PRIOR ART)
FIGURE 7



(PRIOR ART)
FIGURE 8

FIG. 9 is a block diagram of a computer system 22 in accordance with the present invention. The computer system 22 includes a monitor 16, a central processing unit 10, a keyboard 18, and a mouse 20. The central processing unit 10 is connected to the monitor 16, the keyboard 18, and the mouse 20. The central processing unit 10 is also connected to a network 6, which is labeled INTERNET. The network 6 is connected to the central processing unit 10 via a network interface 24.



(PRIOR ART)
FIGURE 9

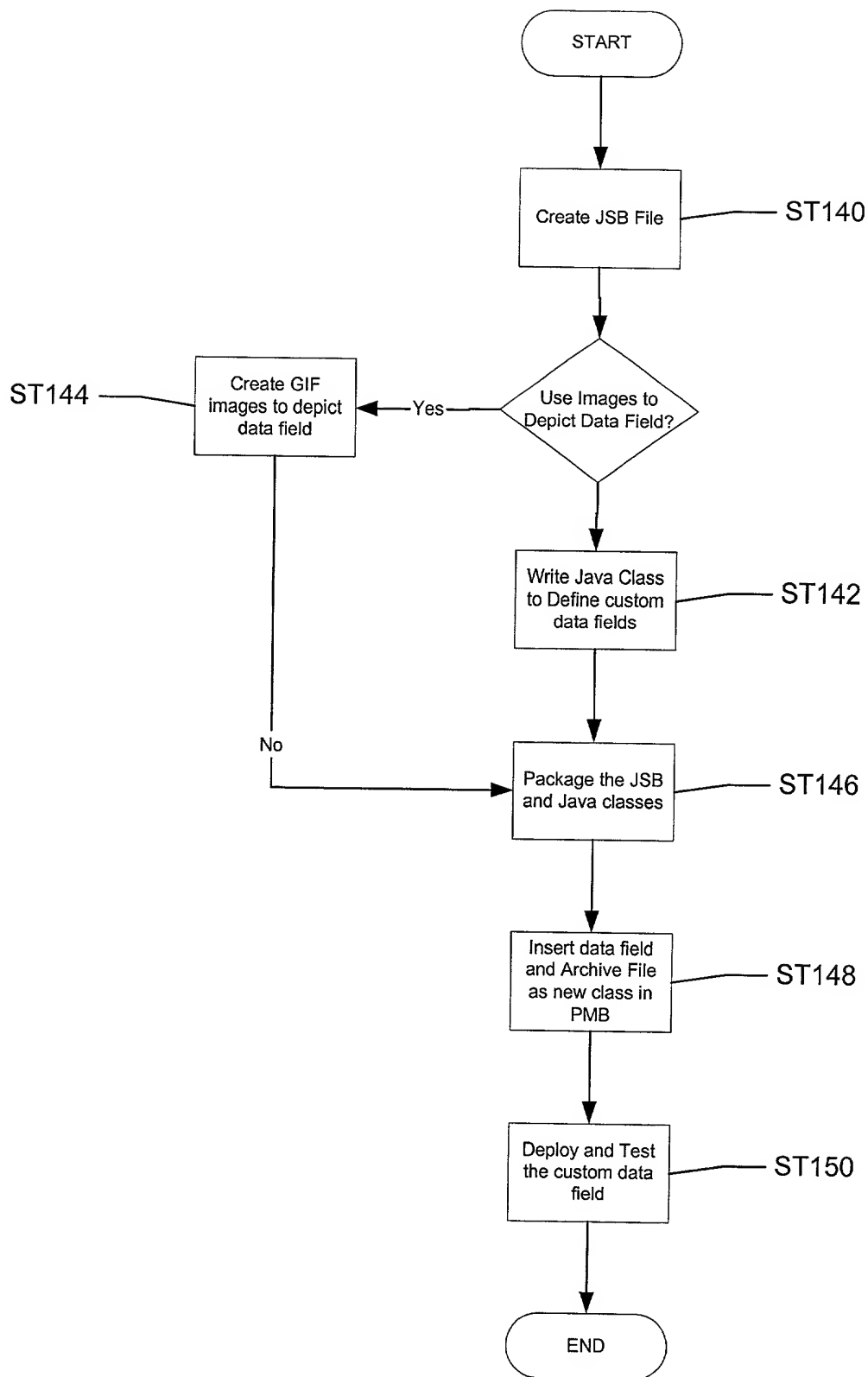


FIGURE 10

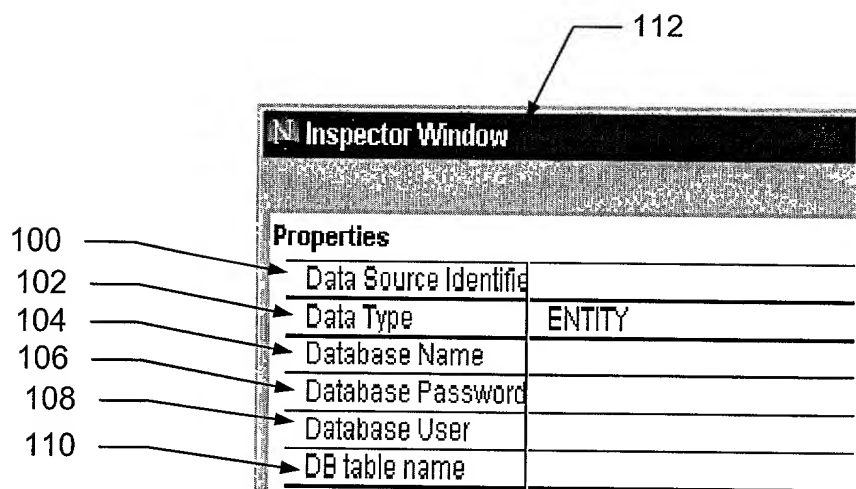


FIGURE 11

BasicCustomField 160

CLASS

IPresentation Element 162

IDataElement 164

INTERFACE

display() 166 update() 168 create() 170 load() 172 store() 174 archive() 176 METHOD

FIGURE 12

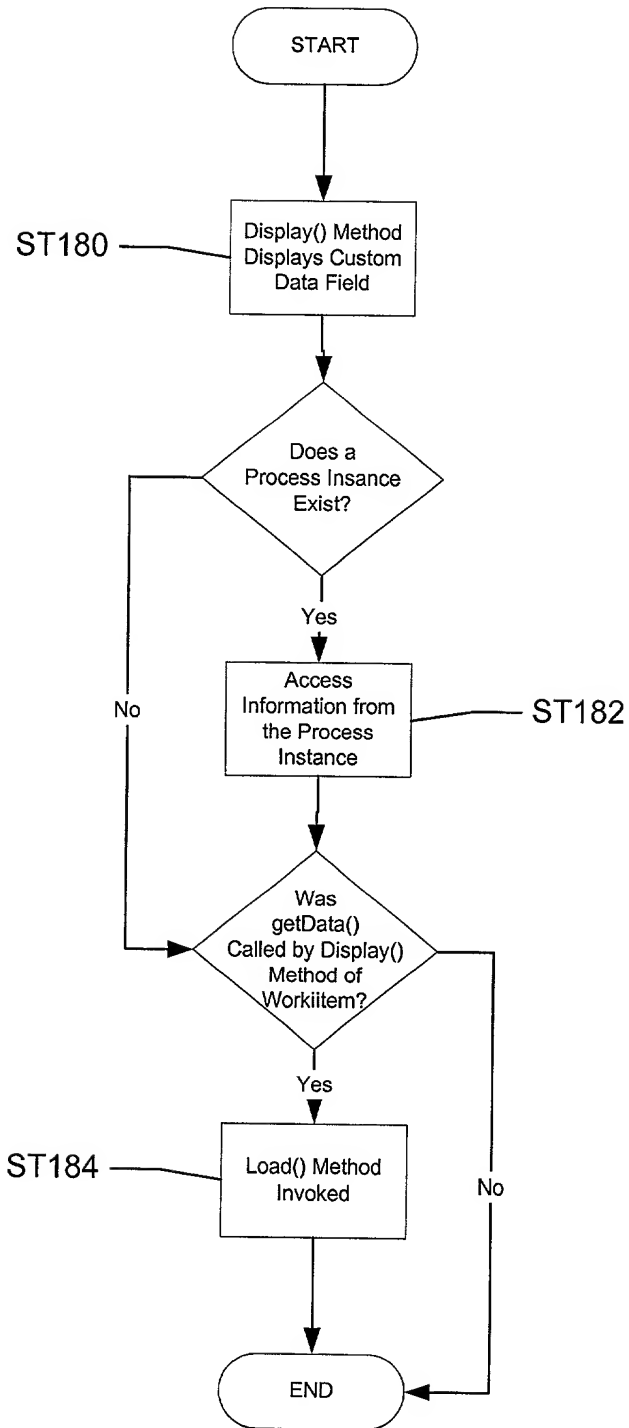


FIGURE 13

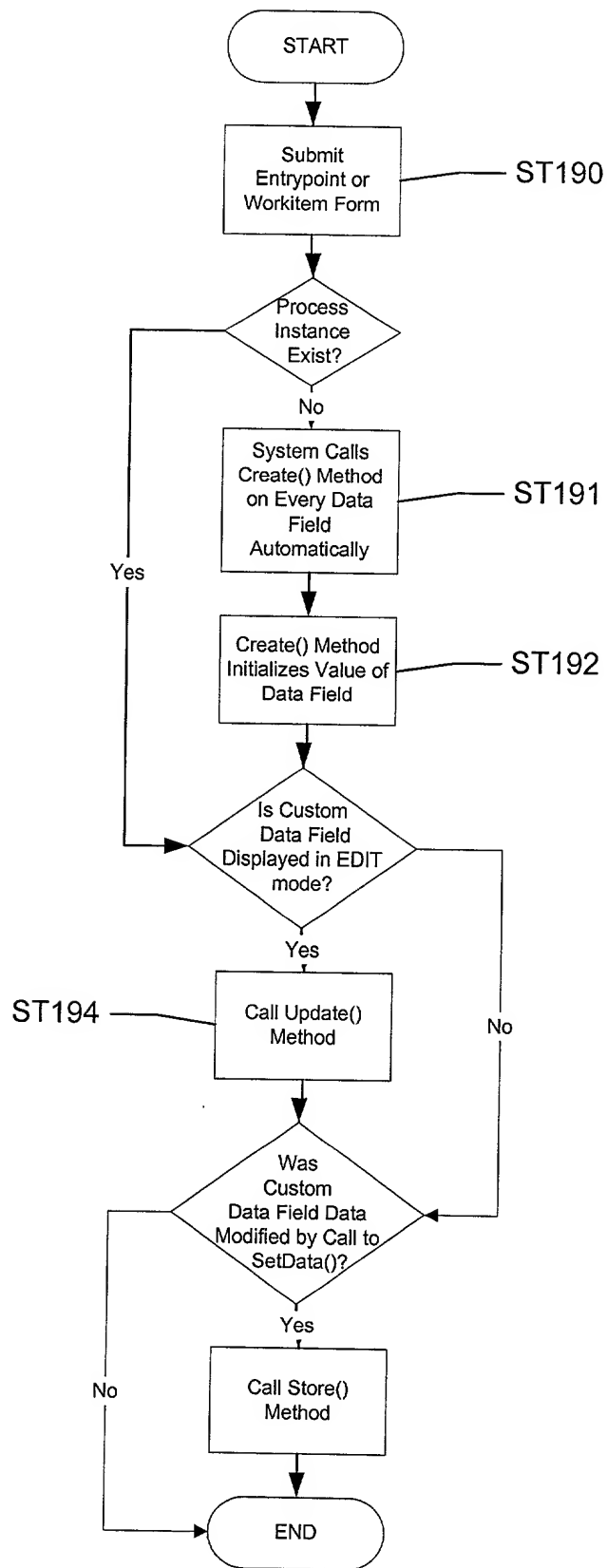


FIGURE 14

208
206
204
210
212

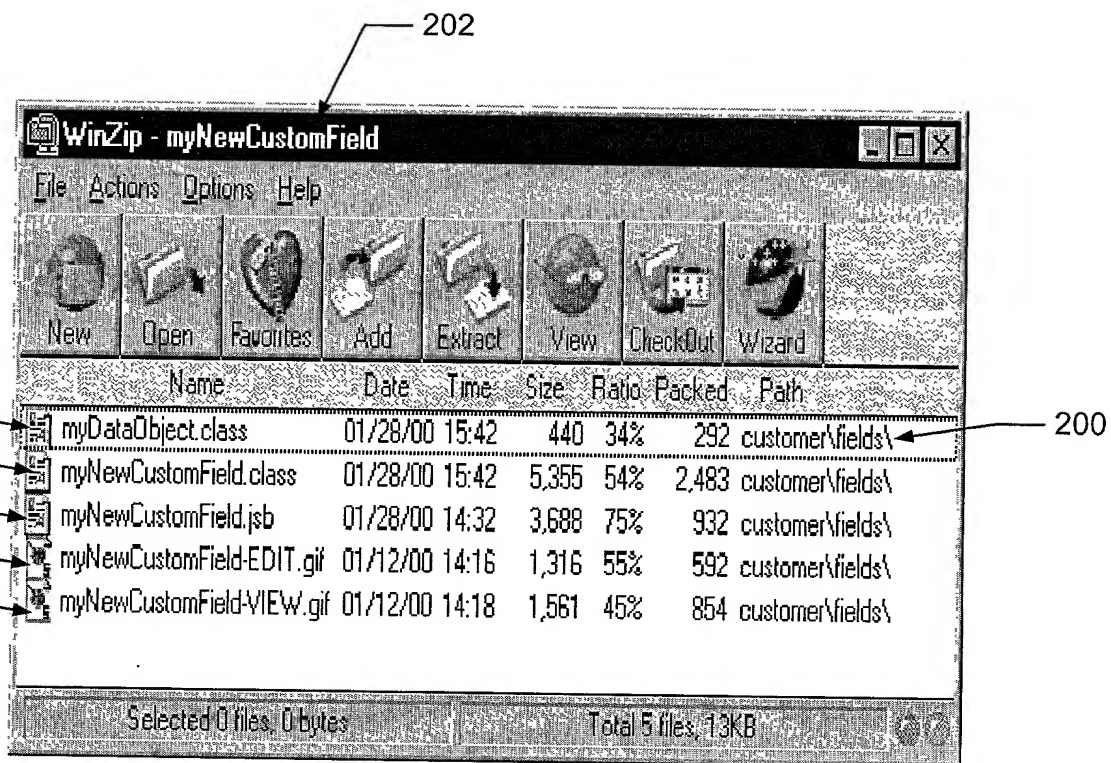


FIGURE 15

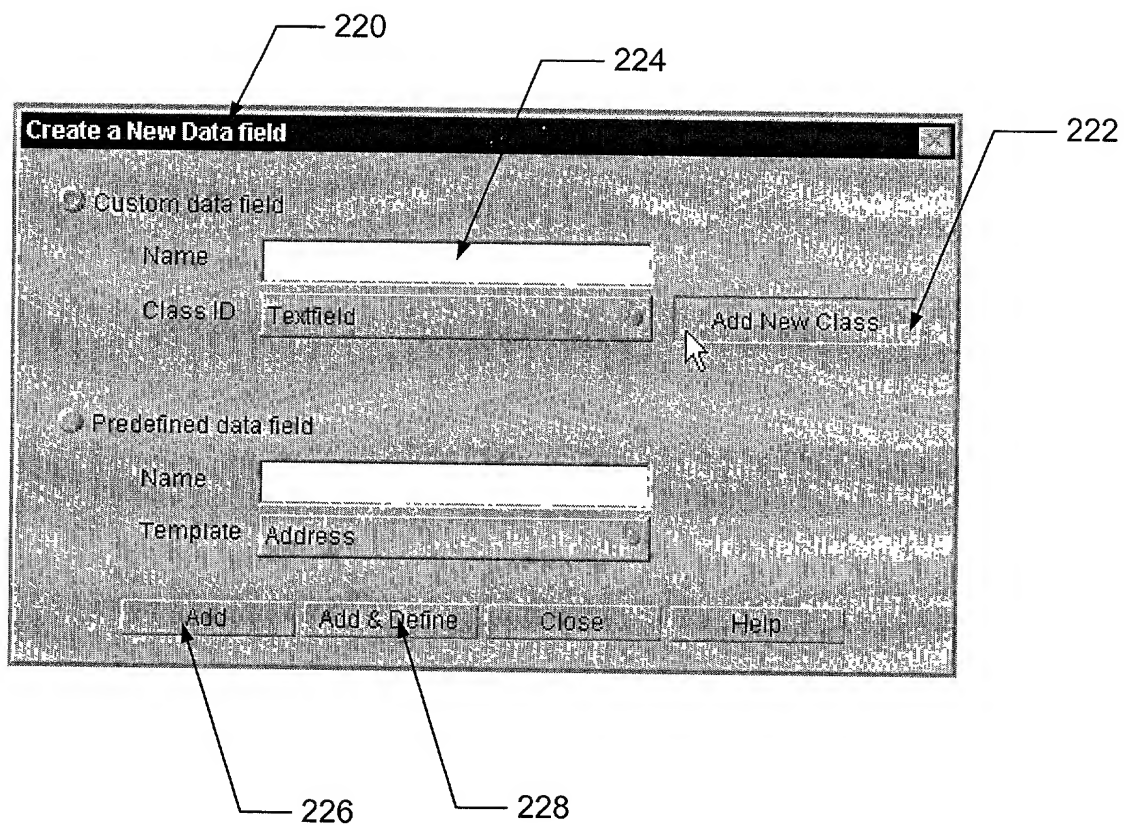


FIGURE 16

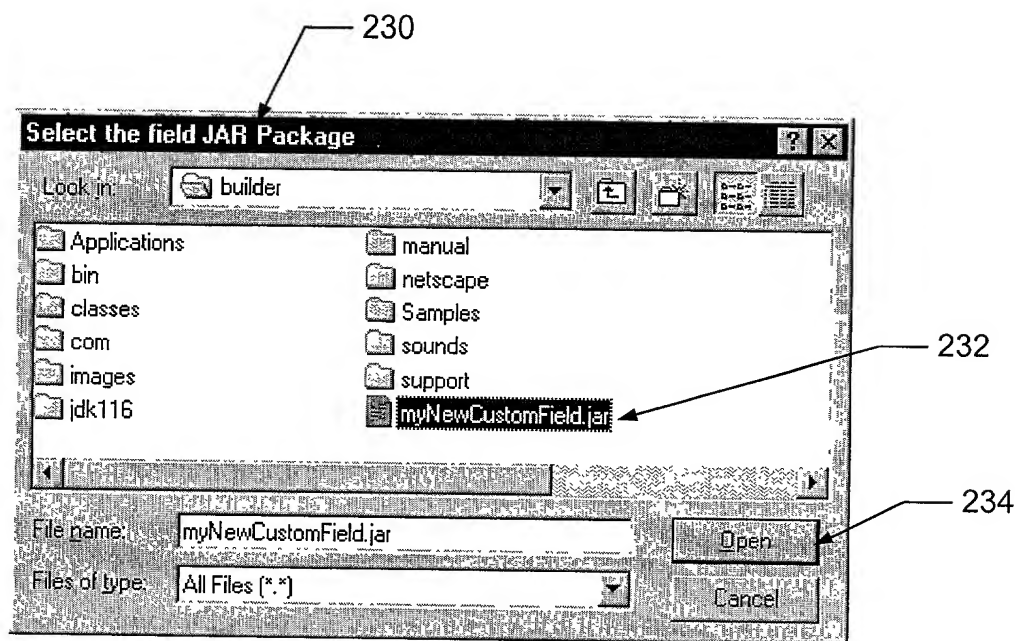


FIGURE 17

240

Inspector Window

Properties	
Data Source Identifier	
Data Type	ENTITY
Database Name	
Database Password	
Database User	
DB table name	
Display Name	employeeInfo
Field Class ID	customer.fields.myNewCustomField
Help Message	<help for employeeInfo>
Name of this field	employeeInfo
Short Description	<no description>
Table Background Color	white

FIGURE 18

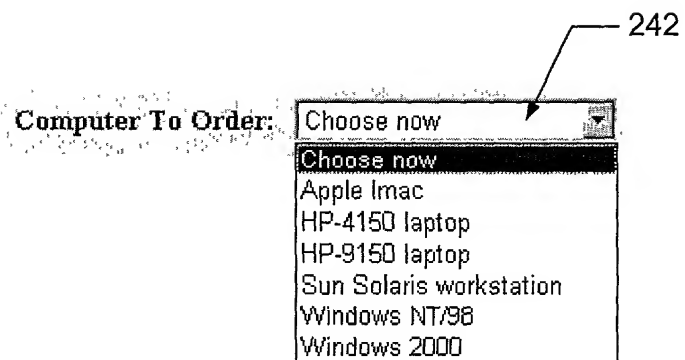


FIGURE 19

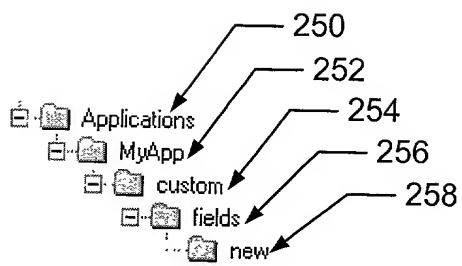


FIGURE 20